

## Datasheet: AHP424

<b>Description:</b>	RABBIT ANTI SHEEP INTERLEUKIN-6
<b>Specificity:</b>	IL-6
<b>Format:</b>	Serum
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 ml

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/500
Immunoprecipitation			▪	
Western Blotting	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Sheep
<b>Species Cross Reactivity</b>	Reacts with: Bovine <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Serum - liquid (diluted)
<b>Antiserum Preparation</b>	Antisera to ovine IL-6 were raised by repeated immunisation of rabbits with highly purified antigen.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	Recombinant IL-6.
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P29455</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b>

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<b>Specificity</b>	<b>Rabbit anti Ovine interleukin-6 antibody</b> recognizes ovine interleukin-6 (IL-6). No cross-reactivity is seen with ovine IL-1 beta, IL-8, MCP or TNF alpha.
<b>ELISA</b>	The antibody may be used in a sandwich ELISA as a detection reagent for ovine IL-6, in combination with <a href="#">MCA1659</a> as a capture antibody.
<b>References</b>	<ol style="list-style-type: none"><li>1. Stephens, S. <i>et al.</i> (2003) Differences in cytokine synthesis by the subpopulations of dendritic cells from afferent lymph. <a href="#">Immunology. 120: 48-57.</a></li><li>2. Herath, S. <i>et al.</i> (2009) Expression of genes associated with immunity in the endometrium of cattle with disparate postpartum uterine disease and fertility. <a href="#">Reprod Biol Endocrinol. 7: 55.</a></li><li>3. Wang, Z. <i>et al.</i> (2008) Acute hypercapnia improves indices of tissue oxygenation more than dobutamine in septic shock. <a href="#">Am J Respir Crit Care Med. 177: 178-83.</a></li><li>4. Su, F. <i>et al.</i> (2007) Beneficial effects of ethyl pyruvate in septic shock from peritonitis. <a href="#">Arch Surg. 142: 166-71.</a></li><li>5. Karisnan, K. <i>et al.</i> (2015) Interleukin-1 Receptor Antagonist Protects against Lipopolysaccharide Induced Diaphragm Weakness in Preterm Lambs. <a href="#">PLoS One. 10 (4): e0124390.</a></li><li>6. Xu, A. <i>et al.</i> (2015) The Ovine Fetal and Placental Inflammatory Response to Umbilical Cord Occlusions With Worsening Acidosis. <a href="#">Reprod Sci. 22 (11): 1409-20.</a></li><li>7. Dooley, L.M. <i>et al.</i> (2015) Effect of mesenchymal precursor cells on the systemic inflammatory response and endothelial dysfunction in an ovine model of collagen-induced arthritis. <a href="#">PLoS One. 10 (5): e0124144.</a></li><li>8. Herry, C.L. <i>et al.</i> (2016) Temporal Patterns in Sheep Fetal Heart Rate Variability Correlate to Systemic Cytokine Inflammatory Response: A Methodological Exploration of Monitoring Potential Using Complex Signals Bioinformatics. <a href="#">PLoS One. 11 (4): e0153515.</a></li></ol>
<b>Storage</b>	Store at +4°C or at -20°C if preferred.  This product should be stored undiluted.  Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10483 available at: 10483: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10483.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10483.pdf</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),  
[DyLight®680](#), [DyLight®800](#)

## Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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